

# Livestock, Dairy, and Poultry

## Livestock: Record highs and lows

Livestock	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Cattle and calves	1,000 head	2,036	1944	538	1867	1867
Cattle on feed	1,000 head	210	2004	57	1931	1930
Chickens, all <sup>1</sup>	1,000 birds	15,512	1944	6,190	1997	1924
Cows, beef	1,000 head	239	1977	24	1925,1933	1920
Cows, milk	1,000 head	1,080	1945	225	1867	1867
Eggs <sup>2</sup>	Million eggs	1,891	2003	1,104	1929	1924
Hogs and pigs <sup>1</sup>	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	4,386	1980	1921
Milk	Million pounds	6,360	2003	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	430	1998	1934

<sup>1</sup> December 1.

<sup>2</sup> December 1 previous year to November 30.

## Cattle and Calves

The January 1, 2004, Michigan cattle herd totaled 1,030,000 head, up 40,000 head from a year ago. The milk cow inventory, at 300,000 head, was down 1,000 from the previous year. Milk cow replacement heifers were down 5,000 at 130,000. Beef cows, at 85,000 head, were down 4 percent from last year. Calves on hand were at 200,000, up 25,000 from last year. Beef cow replacement heifers, at 30,000 head, were down 5,000 head. The 2003 calf crop was 350,000 head, up 10,000 from last year. Steer numbers were up 20,000 at 215,000 head Other heifers increased to 51,000 from

42,000, while bulls at 19,000 head were up by 1,000. Cattle on full feed for slaughter totaled 210,000 head, up 30,000 from last year. Michigan has 14,500 operations with cattle, down 500 from a year ago.

The January 1 Michigan cattle and calf inventory was valued at \$937.3 million, up 12.7 percent from January 1, 2003. Cash receipts from cattle and calf marketings totaled \$207.7 million, while total liveweight marketed was 324.9 million pounds.

### Cattle and calves: Number of operations by size group, 1999-2003 <sup>1</sup>

Size group by head	Year				
	1999	2000	2001	2002	2003
1-49 head	11,200	11,200	10,800	10,400	10,000
50-99 head	2,170	2,200	2,100	2,040	2,050
100-499 head	2,400	2,350	2,350	2,300	2,200
500-999 head	170	190	180	180	170
1000 + head	60	60	70	80	80
Total	16,000	16,000	15,500	15,000	14,500

<sup>1</sup> An operation is any place having one or more head of cattle on hand at any time during the year.

### Cattle and calves: Number on farms by class, January 1, 2000-2004

Class	2000	2001	2002	2003	2004
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
All cows that have calved	395	385	370	390	385
Beef cows	95	85	71	89	85
Milk cows	300	300	299	301	300
Heifers, 500 pounds and over	205	210	210	212	211
Beef cow replacement	30	35	30	35	30
Milk cow replacement	125	130	135	135	130
Other	50	45	45	42	51
Steers, 500 pounds and over	200	190	195	195	215
Bulls, 500 pounds and over	18	17	17	18	19
Calves, under 500 pounds	192	178	198	175	200
All cattle and calves	1,010	980	990	990	1,030

### Cattle and calves: Production and income, 1999-2003

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Average price per cwt		Value of production	Cash receipts <sup>4</sup>	Value of home consumption	Gross income
			All beef <sup>3</sup>	Calves				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1999	405,770	461,250	50.50	68.90	200,427	235,829	8,067	243,896
2000	407,661	446,600	56.00	102.00	220,474	255,892	9,183	265,075
2001	353,634	376,750	58.80	109.00	204,736	227,930	7,467	235,397
2002	363,562	363,540	54.20	104.00	191,624	204,628	6,894	211,522
2003	333,635	324,896	63.00	92.50	213,932	207,722	7,795	215,517

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

<sup>2</sup> Excludes custom slaughter for use on farms where produced and inter-farm sales within the State.

<sup>3</sup> Combined price for "Cows" and "Steers and Heifers".

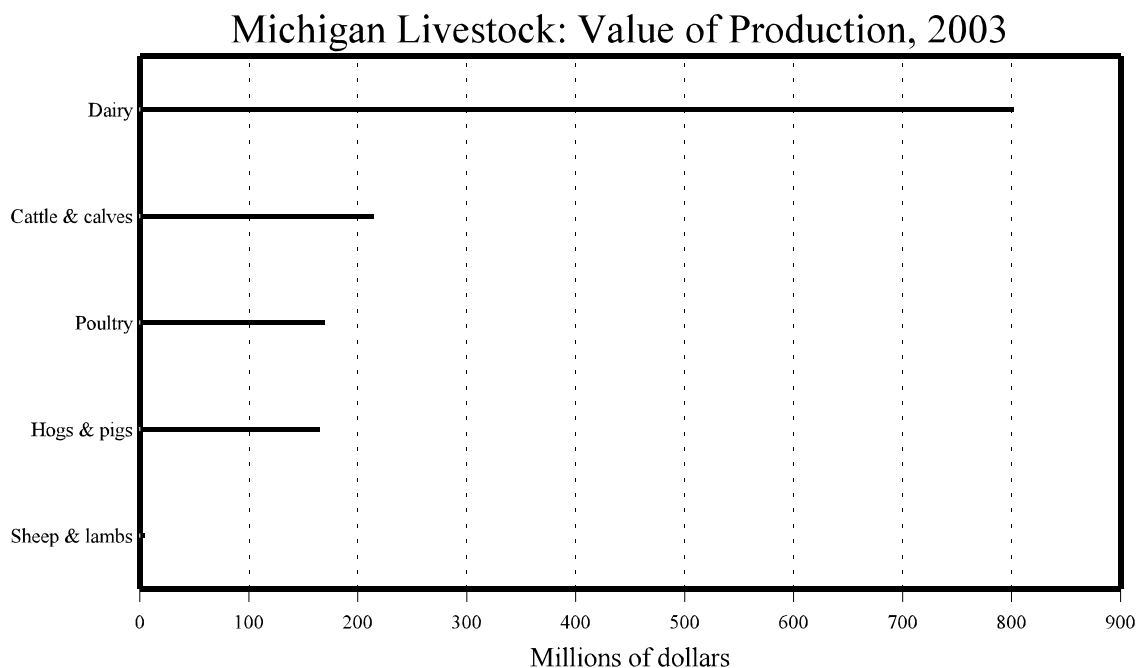
<sup>4</sup> Receipts from marketings and sale of farm slaughter.

### Cattle and calves: Balance sheet, 1999-2003

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings <sup>1</sup>		Farm slaughter cattle and calves <sup>2</sup>	Deaths		All cattle and calves on hand following January 1
				Cattle	Calves		Cattle	Calves	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
1999	1,050	355	70	338	47	5	25	50	1,010
2000	1,010	345	55	318	38	5	22	47	980
2001	980	335	50	266	36	4	24	45	990
2002	990	340	41	264	40	4	25	48	990
2003	990	350	39	248	25	4	24	48	1,030

<sup>1</sup> Includes custom slaughter and state outshipments, but excludes inter-farm sales within the State.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.



## Poultry

The total value of poultry production in Michigan from eggs, turkeys, and other chickens (primarily culled layers) during 2003 was \$163 million, 29 percent more than a year earlier. The value of egg production totaled \$93.8 million, up 48 percent from 2002. Egg production totaled 1.89 billion eggs, up 1 percent from last year. The market egg price averaged 60 cents per dozen, up 48 percent from 2002. The value of turkey production during 2003 was \$68.8

million, up 9 percent from 2002. The total pounds of turkey produced was 191 million, up 6 percent. The average price per pound was 36 cents, up 1 cent from a year ago. Other chicken production, at 3.46 million birds, was down 10 percent from last year. Other chicken production was valued at \$12,000, down 8 percent from 2002.

### Chickens: Layers on hand, December 1, 1999-2003

Class	1999	2000	2001	2002	2003
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
Layers, 1 year old and older	2,284	3,480	4,491	5,149	5,272
Layers, 20 weeks old but less than 1 year	4,013	2,935	2,363	1,802	1,795
Pullets, 13-20 weeks old	537	569	385	606	1,278
Pullets, less than 13 weeks	1,260	921	985	764	1,386
Other chickens	3	1	1		
All chickens (excluding broilers)	8,097	7,906	8,225	8,321	9,731

### Turkeys: Production and value, 2001-2003 <sup>1</sup>

Year	Number raised <sup>2</sup>	Pounds produced	Price per pound <sup>3</sup>	Value of production
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1999	2,700	85,590	41.1	35,092
2000	3,500	119,000	34.0	40,460
2001	4,500	162,000	35.0	56,700
2002	4,800	179,520	35.0	62,832
2003	5,000	191,000	36.0	68,760

### All eggs: Production and value, 1999-2003

Year	Eggs produced	Price per dozen	Value of production
	<i>Million</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1999	1,562	0.420	53,655
2000	1,646	0.419	56,464
2001	1,706	0.437	61,063
2002	1,880	0.403	63,237
2003	1,891	0.595	93,762

<sup>1</sup> December 1 previous year through November 30.

<sup>2</sup> Based on turkeys placed Sep 1 through Aug 31. Excludes young turkeys lost.

<sup>3</sup> Equivalent live weight returns to producers.

### All egg production, by month, 1999-2003

Month	1999	2000	2001	2002	2003
	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>
December	134	142	145	153	162
January	132	136	142	148	160
February	117	129	129	130	147
March	132	145	152	149	161
April	124	137	146	148	152
May	124	132	144	162	160
June	119	133	142	157	156
July	132	144	143	166	158
August	140	140	136	167	159
September	132	133	131	156	155
October	137	138	145	160	162
November	139	137	151	156	159
Total <sup>1</sup>	1,562	1,646	1,706	1,880	1,891

<sup>1</sup> Sum of months may not add to total due to rounding.

**All layers: Average number on hand during the month, 1999-2003**

Month	1999	2000	2001	2002	2003
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
December	5,873	6,316	6,270	6,926	7,243
January	5,880	6,288	6,234	6,933	7,198
February	6,008	6,381	6,435	6,888	7,220
March	6,033	6,594	6,820	6,938	7,074
April	5,766	6,431	6,922	7,296	6,934
May	5,769	6,246	6,763	7,452	7,121
June	5,909	6,435	6,657	7,236	7,128
July	5,973	6,489	6,490	7,265	7,079
August	5,937	6,278	6,489	7,243	7,088
September	5,957	6,183	6,593	7,106	6,942
October	6,199	6,220	6,687	7,039	6,869
November	6,299	6,319	6,779	6,983	6,959
Annual <sup>1</sup>	5,967	6,348	6,595	7,109	7,071

<sup>1</sup> December 1 previous year through November 30.

## Hogs and Pigs

Michigan hog production totaled 479.0 million pounds in 2003, down 4.1 percent from 2002. Based on the December 1, 2003 inventory of 950,000 hogs and pigs, Michigan ranked thirteenth in the nation in terms of inventory.

Breeding inventory accounted for 11.6 percent of the total inventory, while market hogs made up the remaining 88.4 percent. Historically, Cass, Allegan, Ottawa, Branch and Huron have been

the top five hog producing counties.

The annual average price for all hogs was \$35.00 per cwt for 2003, compared with the 2002 average price of \$30.70 per cwt.

Marketings of all hogs and pigs totaled 484.2 million pounds in 2003, down 6.5 percent from 2002. Cash receipts increased 5.7 percent from the previous year to \$173.7 million.

**Hogs and pigs: Number of operations, by size group, 1999-2003 <sup>1</sup>**

Year	Operations						Total
	1-99	100-499	500-999	1,000-1,999	2,000-4,999	5,000+	
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1999	1,400	500	100	130	130	40	2,300
2000	1,700	390	110	140	120	40	2,500
2001	1,700	430	90	110	130	40	2,500
2002	1,500	450	90	100	120	40	2,300
2003	1,420	360	80	100	100	40	2,100

<sup>1</sup> An operation is any place having one or more head on hand at any time during the year.

**Hogs and pigs: Sows farrowing and pig crop, 1999-2004**

Year	December-February <sup>1</sup>			March-May		
	Sows farrowing	Pigs per litter	Pig crop	Sows farrowing	Pigs per litter	Pig crop
	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>
2000	44	8.80	387	50	9.00	450
2001	46	8.75	403	50	8.90	445
2002	50	9.00	450	49	8.85	434
2003	43	8.80	378	46	9.00	414
2004	45	8.90	401	44	9.10	400
	June-August			September-November		
1999	51	9.00	459	49	9.00	441
2000	50	8.90	445	48	9.05	434
2001	52	9.10	473	46	9.15	421
2002	54	9.05	489	42	9.10	382
2003	47	9.00	423	51	8.80	449

<sup>1</sup> December of previous year.

### Hogs and pigs: Inventory, 2000-2004

Month and year	Market hogs and pigs					Breeding stock	Total hogs and pigs
	Under 60 pounds	60-119 pounds	120-179 pounds	180 lbs and over	Total market		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
March 1							
2000	295	215	170	160	840	120	960
2001	310	185	160	125	780	120	900
2002	310	215	165	150	840	120	960
2003	270	190	165	145	770	100	870
2004	300	205	175	150	830	100	930
June 1							
2000	390	200	160	130	880	110	990
2001	315	215	155	125	810	110	920
2002	310	205	155	140	810	110	920
2003	310	210	165	145	830	100	930
2004	310	190	170	145	815	95	910
September 1							
2000	360	230	180	140	910	110	1,020
2001	330	225	175	130	860	110	970
2002	315	210	160	135	820	120	940
2003	290	205	160	145	800	100	900
December 1							
2000	320	200	170	150	840	110	950
2001	315	205	170	160	850	110	960
2002	285	180	155	150	770	100	870
2003	300	205	175	160	840	110	950

### Hogs and pigs: Production and income, 1999-2003

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Average price per cwt	Value of production	Cash receipts <sup>3</sup>	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1999	466,637	494,787	29.80	136,678	149,937	1,229	151,166
2000	464,577	483,775	40.70	184,575	200,485	1,662	202,147
2001	491,070	499,800	41.70	200,748	212,599	1,695	214,294
2002	499,504	517,700	30.70	153,600	164,324	1,171	165,495
2003	478,977	484,225	35.00	165,113	173,671	443	174,114

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

<sup>2</sup> Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

<sup>3</sup> Receipts from marketing and sales of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

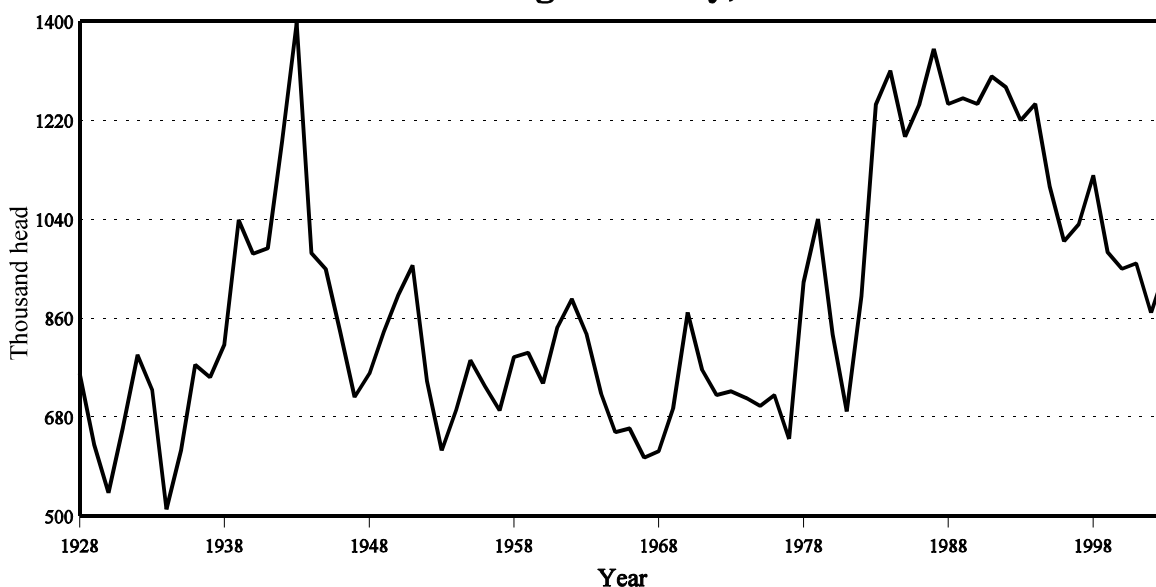
### Hogs and pigs: Balance sheet, 1999-2003

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings <sup>1</sup>	Farm slaughter <sup>2</sup>	Deaths	Number on hand December 1
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
1999	1,120	1,723	225	1,999	4	85	980
2000	980	1,716	275	1,937	4	80	950
2001	950	1,742	280	1,930	4	78	960
2002	960	1,755	240	2,011	4	70	870
2003	870	1,664	355	1,874	5	60	950

<sup>1</sup> Includes custom slaughter and state outshipments, but excludes sales within Michigan.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

## December 1 Hog Inventory, 1928-2003



## Honey

Michigan honey production for 2003 totaled 4.8 million pounds, down 13 percent from 2002. This estimate included honey from producers with 5 or more colonies. Michigan ranked ninth in honey production in 2003, up from tenth in 2002. There were 65,000 colonies producing honey, down 7,000 colonies from 2002.

Yield per colony averaged 74 pounds, down 3 pounds from 2002.

Michigan honey prices averaged \$1.47 per pound, up 7 cents from last year. Value of production totaled \$7.07 million, down 9 percent from 2002. Honey stocks on hand for sale, as of December 15, were 1.73 million pounds, down 8 percent from 2002.

**Honey: Production and value, 1999-2003 <sup>1</sup>**

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 <sup>2</sup>
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
1999	73	85	6,205	66	4,095	3,475
2000	72	75	5,400	60	3,240	2,970
2001	76	60	4,560	81	3,694	2,827
2002	72	77	5,544	140	7,762	1,885
2003	65	74	4,810	147	7,071	1,732

<sup>1</sup> Includes only producers with 5 or more colonies.

<sup>2</sup> Stocks held by producers.

## Dairy

Milk production in Michigan during 2003 was 6,360 million pounds, up 3.8 percent from 2002. Michigan ranked eighth nationally in milk production in 2002, accounting for 3.5 percent of U.S. production.

The annual average number of milk cows on Michigan farms during 2003 was 301,000 head, down 1,000 from the previous year. The number of operations with milk cows fell to 3,000 from 3,200

in 2002. Milk production per cow was 21,060 pounds in 2003, compared with 20,332 pounds during 2002. The average butterfat content was 3.62 percent, unchanged from 2002.

Milk prices during the year averaged \$12.60 per cwt., up \$0.50 from the previous year. Cash receipts from milk sales totaled \$794 million, up 8 percent from 2002. Milk continued as the top ranked Michigan commodity in cash receipts.

**Milk: Production, utilization, marketings, and value, 1999-2003**

Item	Unit	1999	2000	2001	2002	2003
		<b>Production</b>				
<b>Production</b>						
Total milk produced on farms	Million pounds	5,455	5,705	5,870	6,120	6,360
Milkfat produced	Million pounds	201.3	208.8	213.1	221.5	230.2
Milkfat	Percent	3.69	3.66	3.63	3.62	3.62
<b>Utilization</b>						
Milk used where produced						
Fed to calves	Million pounds	37	45	55	55	55
Used for milk, cream, and butter	Million pounds	3	5	5	5	5
Milk marketed by producers	Million pounds	5,415	5,655	5,810	6,060	6,300
Average return per 100 pounds of milk	Dollars	14.80	12.90	15.20	12.10	12.60
Average return per pound milkfat	Dollars	4.01	3.52	4.19	3.34	3.48
Fluid grade	Percent	99	99	99	99	99
Total cash receipts	1,000 dollars	801,420	729,495	883,120	733,260	793,800
<b>Value</b>						
Value of milk used where produced <sup>1</sup>	1,000 dollars	5,920	6,450	9,120	7,260	7,560
Total value of milk produced	1,000 dollars	807,340	735,945	892,240	740,520	801,360

<sup>1</sup> Includes value of milk fed to calves and milk used by farm households.

**Milk cows: Number of operations, by size group, 1999-2003 <sup>1</sup>**

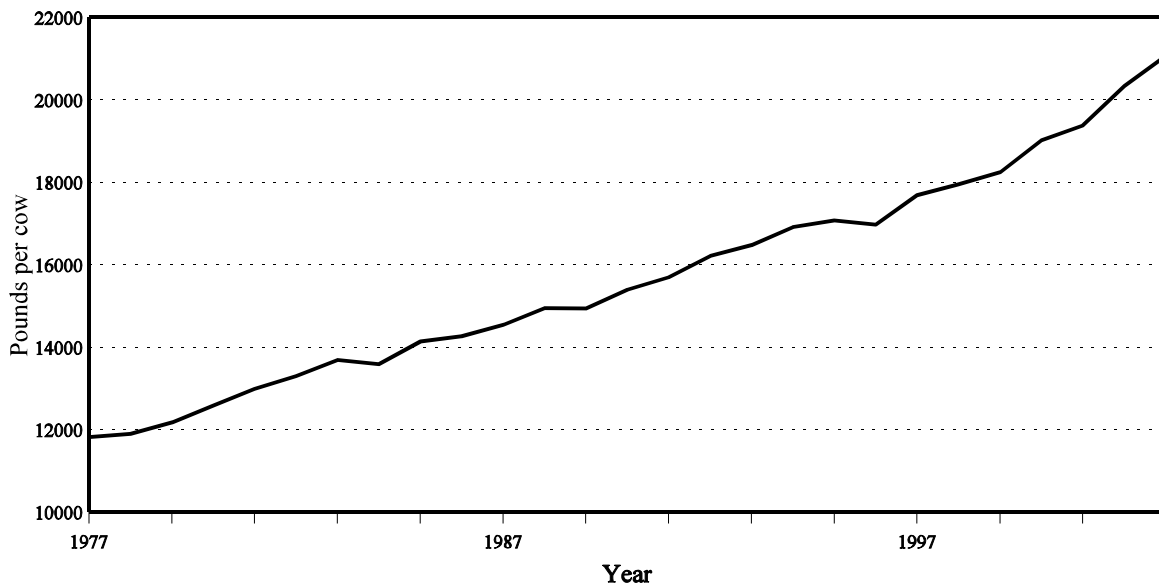
Size group by head	1999	2000	2001	2002	2003
	<i>Number of operations</i>	<i>Number of operations</i>	<i>Number of operations</i>	<i>Number of operations</i>	<i>Number of operations</i>
1-29	1,000	1,000	1,050	1,050	1,000
30-49	700	630	550	500	450
50-99	1,000	900	800	750	700
100-199	750	700	620	590	550
200-499	200	215	215	240	220
500+	50	55	65	70	80
Total	3,700	3,500	3,300	3,200	3,000

<sup>1</sup> An operation is any place having one or more milk cows on hand at any time during the year.

**Milk cows: Number by month, 1999-2003**

Month	1999	2000	2001	2002	2003
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
January	291	298	303	300	302
February	292	296	303	301	302
March	296	296	304	301	302
April	298	299	304	301	301
May	303	301	304	301	301
June	304	304	305	300	302
July	306	302	303	301	304
August	302	302	303	302	304
September	299	300	303	302	304
October	299	302	302	302	303
November	298	299	301	302	300
December	297	300	299	301	300
Annual	299	300	303	301	302

## Annual Milk per Cow, 1977-2003



### Milk production: Total by month, 1999-2003

Month	1999	2000	2001	2002	2003
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	442	474	482	504	533
February	410	447	447	474	480
March	463	485	505	533	544
April	454	481	492	518	521
May	486	494	518	537	539
June	465	485	505	503	529
July	474	489	498	519	556
August	462	485	489	515	549
September	444	455	476	488	534
October	454	477	483	507	542
November	441	457	474	498	503
December	460	476	501	524	530
Annual	5,455	5,705	5,870	6,120	6,360

### Milk: Production per cow, by month, 1999-2003

Month	1999	2000	2001	2002	2003
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	1,520	1,590	1,590	1,680	1,765
February	1,405	1,510	1,475	1,575	1,590
March	1,565	1,640	1,660	1,770	1,800
April	1,525	1,610	1,620	1,720	1,730
May	1,605	1,640	1,705	1,785	1,790
June	1,530	1,595	1,655	1,675	1,750
July	1,550	1,620	1,645	1,725	1,830
August	1,530	1,605	1,615	1,705	1,805
September	1,485	1,515	1,570	1,615	1,755
October	1,520	1,580	1,600	1,680	1,790
November	1,480	1,530	1,575	1,650	1,675
December	1,550	1,585	1,675	1,740	1,765
Annual	18,244	19,017	19,373	20,332	21,060



**Dairy products: Annual production totals, 1999-2003**

Product	1999	2000	2001	2002	2003
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
<b>Michigan</b>					
Ice cream, fullfat, total	19,572	21,607	22,494	27,218	17,412
Ice cream, lowfat, total	17,812	16,079	( <sup>1</sup> )	7,639	( <sup>1</sup> )
Sherbet, total	1,369	1,696	( <sup>1</sup> )	1,140	( <sup>1</sup> )
Ice cream mix, fullfat	10,317	11,678	11,599	15,555	9,312
Ice cream mix, lowfat	8,117	8,220	8,263	5,728	( <sup>1</sup> )
Sherbet mix	722	1,010	( <sup>1</sup> )	727	( <sup>1</sup> )
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
<b>East North Central Region <sup>2</sup></b>					
Cheese, total	2,538.5	2,606.4	2,545.3	2,657.7	2,697.2
Cheese, American type <sup>3</sup>	989.0	952.2	876.3	907.7	875.0
Cheese, Italian	1,031.9	1,101.1	1,123.7	1,149.2	1,205.4
Cottage cheese, curd	110,954	112,892	111,863	103,660	107,430
Cottage cheese, creamed	96,311	102,329	102,140	95,174	101,228
Cottage cheese, low fat	74,009	77,612	81,190	81,735	81,818
Condensed skim milk, unsweetened, bulk	146,594.0	161,134.0	122,605.0	169,462.0	144,242.0
Dried milk, nonfat for human food	58.4	57.2	48.5	52.9	48.3
Butter	349.8	327.2	368.2	388.2	345.7
Water & juice ices	7,521	8,098	8,769	8,612	6,189
Yogurt, plain and flavored	624.3	720.7	818.9	816.8	759.8

<sup>1</sup> Not published separately because of insufficient data or to avoid disclosure of individual operations.

<sup>2</sup> Illinois, Indiana, Michigan, Ohio, and Wisconsin.

<sup>3</sup> Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

**Dairy products: Ice cream, fullfat, total, by month, 1999-2003**

Month	1999	2000	2001	2002	2003
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
January	1,010	1,744	1,472	2,018	1,662
February	1,317	1,724	1,543	2,083	1,676
March	1,652	1,967	1,752	2,109	1,381
April	1,933	1,907	2,352	2,294	1,424
May	1,791	1,771	2,072	2,336	1,538
June	2,283	1,945	2,071	2,436	1,561
July	2,194	1,999	2,397	2,509	1,496
August	2,164	2,083	2,270	2,340	1,713
September	1,626	1,793	1,977	2,208	1,685
October	1,314	1,791	1,840	2,006	546
November	990	1,637	1,318	1,477	1,370
December	1,298	1,246	1,430	3,402	1,360
Total	19,572	21,607	<sup>1</sup> 22,494	<sup>1</sup> 27,218	17,412

<sup>1</sup> Revised; monthly data are not revised and do not add to the total.

# Mink

## Mink: Farms, pelts produced and females bred to produce kits, 2000-2004

Year	2000	2001	2002	2003	2004
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Farms	12	11	9	8	( <sup>1</sup> )
Pelts produced	42,500	54,000	57,000	51,000	( <sup>1</sup> )
Females bred to produce kits	11,000	11,800	12,700	11,600	11,700

<sup>1</sup> Published in July 2005.

## Sheep and Lambs

Michigan sheep operations in 2003 numbered 2,100, up 100 operations from 2002. All sheep and lamb inventory in Michigan on January 1, 2004 was estimated at 83,000 head, down 2,000 head from a year ago. The breeding sheep inventory was 59,000 head. Market sheep and lambs totaled 24,000 head, up 3,000 from a year earlier. The 2003 Michigan lamb crop (lambs born October 1, 2002 through September 30, 2003) was 60,000 head, unchanged from the previous year.

Sheep and lamb value of production was \$3.84 million for 2003. Cash receipts totaled \$3.66 million. All sheep and lambs were valued at \$131 per head, up \$11 from the previous year.

Sheep shorn in 2003 totaled 77,000 head. The weight per fleece was 6.2 pounds, compared with 6.5 pounds in 2002. Total wool production in Michigan was 475,000 pounds. Wool production was valued at \$143,000. The average price per pound was \$0.30, up \$0.16 from 2002.

### Sheep and lambs: Number on farms by class, January 1, 2000-2004

Class	2000	2001	2002	2003	2004
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
Breeding sheep 1 year and older					
Ewes	38	40	40	47	43
Rams	3	2	3	3	3
Replacement lambs	10	9	12	14	13
Total market sheep and lambs	17	20	20	21	24
All sheep and lambs	68	71	75	85	83

### Sheep and lambs: Number of operations, 1999-2003 <sup>1</sup>

Year	Number
1999	1,700
2000	1,800
2001	1,800
2002	2,000
2003	2,100

<sup>1</sup> An operation is any place having one or more head on hand at any one time during the year.

### Sheep and lambs: Lamb crop, 1999-2003

Year	Breeding ewes <sup>1</sup>	Lambs per 100 ewes <sup>1</sup>	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
1999	34	132	45
2000	38	121	46
2001	40	125	50
2002	40	150	60
2003	48	125	60

<sup>1</sup> Ewes 1 year and older January 1.

**Sheep and lambs: Balance sheet, 1999-2003**

Year	All sheep and lambs on hand January 1	Lamb crop	Inshipments	Marketings <sup>1</sup>		Farm slaughter <sup>2</sup>	Deaths		All sheep and lambs on hand following January 1
				Sheep	Lambs		Sheep	Lambs	
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
1999	62	45	5.0	4.0	28.5	2.0	2.5	7.0	68
2000	68	46	2.0	7.5	26.5	2.0	3.0	6.0	71
2001	71	50	1.5	5.5	29.5	2.0	3.5	7.0	75
2002	75	60	3.0	3.0	37.0	2.0	4.0	7.0	85
2003	85	60	4.0	15.5	36.0	2.0	4.5	8.0	83

<sup>1</sup> Includes custom slaughter and state outshipments, but excludes sales within Michigan.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

**Sheep and lambs: Production and income, 1999-2003**

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Average price per cwt		Value of production	Cash receipts <sup>3</sup>	Value of home consumption	Gross income
			Sheep	Lambs				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1999	4,210	3,453	30.00	69.00	2,648	2,179	397	2,576
2000	4,200	3,603	31.00	75.00	2,789	2,306	431	2,737
2001	4,515	3,653	31.00	70.00	2,901	2,321	403	2,724
2002	5,604	4,129	26.00	70.00	3,501	2,794	403	3,197
2003	4,662	4,927	35.00	86.00	3,840	3,660	495	4,155

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

<sup>2</sup> Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

<sup>3</sup> Receipts from marketings and sale of farm slaughter.

**Sheep and lambs: Wool production and value, 1999-2003**

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value of production <sup>1</sup>
	<i>1,000 Head</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Cents</i>	<i>1,000 Dollars</i>
1999	66	7.0	465	14	65
2000	72	6.4	460	14	64
2001	77	6.2	480	12	58
2002	81	6.5	525	14	74
2003	77	6.2	475	30	143

<sup>1</sup> Production multiplied by marketing year average price.

## Trout

Michigan's 18 commercial trout operations sold \$346,000 of trout in 2003. This was a decrease of 48 percent from last season. Sales of food-size trout (12 inches or longer) were valued at \$297,000. Sales of stockers (6 to 12 inches), fingerlings (1 to 6 inches) and eggs were included with other States to avoid disclosure of individual operations.

Food-size trout had sales of 145,000 pounds with an average liveweight of 1.1 pounds per fish. Food-size sales averaged \$2.05 per pound. The major sales outlets were fee fishing operations at 27 percent of total and 11 percent direct to consumers.

Losses of trout in Michigan amounted to 63,000 fish, weighing 59,000 pounds.

**Trout: Sales by size category, 1999-2003**

Size category	Number of fish sold	Live weight	Sales	
			Total	Average per pound <sup>1</sup>
	<i>1,000</i>	<i>1,000</i>	<i>1,000 dollars</i>	<i>Dollars</i>
Foodsize (12 inches long or more):				
1999	320	352	859	2.44
2000	330	388	776	2.00
2001	275	330	660	2.00
2002	180	215	553	2.57
2003	135	145	297	2.05
Stockers (6-12 inches long):				
1999	200	65	174	2.67
2000	210	78	207	2.65
2001	110	42	116	2.75
2002	90	30	83	2.77
2003	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Fingerlings (1-6 inches long):				
1999	310	10	80	259.00
2000	250	8	54	215.00
2001	170	4	47	275.00
2002	100	3	27	266.00
2003	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Average per thousand fish for fingerlings after 1997.

<sup>2</sup> Not published separately to avoid disclosure of individual operation.

**Trout: Number of operations, 2000-2004**

Year	Operations
	<i>Number</i>
2000	30
2001	33
2002	33
2003	22
2004	18